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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
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U.S. Dept. of Commerce - NOAA
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AGRICULTURAL NEWS: This past week went back to the hot weather the State has been used to since early June; with the average temperature throughout the State 3 degrees above normal and 5 degrees warmer than the previous week at 79 degrees. Precipitation throughout the State was 0.37 inches below normal, totaling 0.68 inches. The hot and dry weather has put crops under a lot of stress and are now in need of a good rain. **Topsoil moisture** was rated as 19 percent very short, 44 percent short, and 37 percent adequate. **Subsoil moisture** was rated as 12 percent very short, 40 percent short, 47 percent adequate, and 1 percent surplus. There were 6.1 days, out of a possible 7, suitable for fieldwork. Spraying double crop soybeans and tobacco, and cutting some hay were the major activities for the week.

ROW CROPS: Extremely hot and dry weather conditions are beginning to impact both early and late corn and soybeans in different stages of development. However, the corn crop is still in mostly good condition with 2 percent rated as very poor, 7 percent poor, 26 percent fair, 50 percent good, and 15 percent excellent. Corn silking is at 68 percent, well ahead of last year's 35 percent and the five year average of 57 percent. Corn milked is at 17 percent. Soybeans blooming was 49 percent, well ahead of last year's 16 percent, and the five year average of 28 percent. Soybean setting pods is at 7 percent. The condition of the soybean crop was reported as 1 percent very poor, 4 percent poor, 27 percent fair, 44 percent good, and 24 percent excellent.

TOBACCO: Throughout the State, the tobacco crop continues to look good, although like most of the State's crops, needs rain. The condition of set tobacco was reported as 2 percent very poor, 7 percent poor, 21 percent fair, 56 percent good and

14 percent excellent. Sixteen percent of set tobacco was less than 12 inches high, with 36 percent from 12 to 24 inches in height, and 48 percent over 24 inches tall. There are reports of insect pressure and blooming of short tobacco.

OTHER CROPS AND PASTURE: Pastures are showing effects of the hot and dry weather as conditions declined. As of July 11, pastures were rated as 2 percent very poor, 11 percent poor, 33 percent fair, 46 percent good, and 8 percent excellent. Hay crop condition was reported at 1 percent very poor, 9 percent poor, 34 percent fair, 49 percent good, and 7 percent excellent.

CROP PROGRESS for week ending 07/11/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	68	51	35	57
Corn Milked	17	NA	0	16
Soybeans Blooming	49	35	16	28
Soybeans Setting Pods	7	NA	0	3

SOIL MOISTURE for week ending 07/11/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	19	44	37	0
Subsoil	12	40	47	1

CROP CONDITIONS for week ending 07/11/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	2	7	26	50	15
Soybeans	1	4	27	44	24
Pasture	2	11	33	46	8
Hay Crops	1	9	34	49	7
Tobacco	2	7	21	56	14

KENTUCKY WEATHER SUMMARY, JULY 5 - 11, 2010:

Above Normal Temperature and Below Normal Rainfall:

This past week went back to the hot weather the state has been used to since early June. Through the beginning and middle parts of the past week each day was mostly clear with highs in most locations in the 90s. By Friday a cold front swept southeast across the state bringing the only rainfall for the week in most locations. Most of the rain that came from the front fell in the Western and Bluegrass climate divisions.

Temperatures for the period averaged 79 degrees across the state which was 3 degrees above normal and 5 degrees warmer than the previous week. High temperatures averaged from 90 in the West to 89 in the East. Departure from normal high temperatures ranged from 1 degree above normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 68 degrees in the West to 67 degrees in the East. Departure from normal low temperature ranged from 2 degrees above normal in the West to 2 degrees above normal in the East.

Rainfall for the period totaled 0.68 inches statewide which was 0.37 inches below normal. Rainfall totals by climate division, West 0.90 inches, Central 0.44 inches, Bluegrass 0.86 inches and East 0.53 inches, which was 0.03, 0.67, 0.20 and 0.60 inches respectively below normal. By station, rainfall totals ranged from a low of 0.00 inches at Bowling Green to a high of 1.62 inches at Lexington.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 11, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)				(Degrees Fahrenheit)						
Bardstown	1.02	15.20	2.78	+1.42	-1.07	95	68	79.7	+4	190	2000	+311
Berea	1.02	17.75	2.80	+3.16	-1.01	92	62	76.9	+2	178	1887	+156
Bowling Green	0.00	20.45	1.78	+5.34	-2.26	96	65	81.4	+5	192	2121	+360
Bristol	0.29	7.55	2.05	-4.72	-1.49	97	60	78.6	+3	171	1896	+309
Buckhorn Lake	0.32	12.91	2.51	-0.82	-1.56	90	60	75.7	+1	172	1828	+312
Cape Girardeau	2.79	14.57	3.80	+0.22	+0.58	96	68	81.3	+4	200	2154	+310
Campbellsville	0.61	19.43	2.66	+3.43	-1.60	93	63	77.4	+1	178	1950	+249
Covington	0.05	14.75	3.24	+1.38	-0.44	93	64	78.9	+4	189	1857	+319
Cumberland Gap	0.59	12.41	3.21	-2.61	-1.07	94	63	78.2	+3	181	1967	+410
Dix Dam	1.15	18.23	3.05	+3.84	-0.79	95	64	78.5	+3	181	1928	+239
Evansville	0.72	9.58	2.15	-4.11	-1.26	95	63	80.5	+3	192	2064	+322
Glasgow	0.03	15.88	1.40	-0.21	-3.09	94	64	79.4	+3	187	2056	+385
Grayson	0.66	17.33	3.82	+3.88	-0.08	91	58	76.6	+1	176	1833	+378
Hardinsburg	0.69	15.70	1.27	+1.04	-2.57	94	64	78.7	+3	183	1991	+230
Henderson	0.29	11.35	1.64	-2.70	-1.96	93	58	77.8	+0	179	2032	+260
Huntington	0.47	15.29	3.06	+1.98	-0.79	95	62	79.5	+4	186	1918	+350
Jackson	0.48	16.59	4.39	+2.33	+0.36	90	63	77.7	+3	184	1960	+444
Lexington	1.62	18.45	4.41	+4.67	+0.56	94	62	78.7	+4	185	1922	+354
London	0.69	13.04	2.87	-0.45	-0.87	95	64	78.6	+3	184	1951	+394
Louisville	0.64	17.16	2.57	+3.25	-0.99	97	72	83.6	+8	208	2207	+465
Mayfield	0.45	11.12	1.07	-3.90	-2.43	93	61	77.9	+0	179	2123	+301
Nashville	1.24	26.13	4.64	+11.90	+1.21	98	67	82.4	+6	199	2203	+329
Nolin Lake	0.26	16.52	1.43	+0.80	-2.58	93	62	77.9	+2	179	1973	+355
Paducah	0.26	11.70	1.40	-3.79	-2.38	93	65	80.3	+3	192	2149	+316
Princeton	0.87	19.40	3.03	+4.27	-0.67	95	63	78.8	+1	184	2093	+291
Quicksand	0.72	13.62	3.92	-0.64	-0.11	93	62	78.2	+3	183	1928	+412
Somerset	0.33	17.80	2.61	+2.40	-1.53	91	63	77.0	+2	177	1908	+260
Spindletop	0.99	16.18	3.35	+2.40	-0.50	96	64	79.2	+4	185	1923	+355
Williamstown	0.32	17.44	4.85	+3.50	+1.11	91	62	77.6	+2	184	1851	+283

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>